

FORM NO. 10
MAY 1962

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

50X1-HUM

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 14 March 1951

SUBJECT Actual Contracts and Planned Production of the
Turbinenfabrik and the Strömungsbüro, Dresden

NO. OF PAGES 50X1-HUM

PLACE
ACQUIRED

HAS AN ENCLOSURE ATTACHED

NO. OF ENCLS. (37 pages)
(LISTED BELOW)DATE OF
ACQUIREDSUPPLEMENT TO
REPORT NO.THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT 50
U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION
OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PRO-
HIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

50X1-HUM

1.

and the planned production for 1951 of the contracts
fabrik and the EKM Strömungsbüro, Dresden. of the Turbinen-

50X1-HUM

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	NAVY	NSRB	DISTRIBUTION			
ARMY	AIR		ORR	x		

Economic/Scientific.

50X1-HUM

THIS IS AN ENCLOSURE

DO NOT DETACH

Turbinenfabrik DRESDEN and EKM STROMUNGSBURO, DRESDEN: Current Contracts and Planned Output in 1951.

1. EKM STROMUNGSBURO, DRESDEN.

(a) The following research and development projects were being undertaken by the Design Office - late August, 1950:

Project.

50X1-HUM

"Einheits" (?universal) Water-Turbines
("Francis" type).

Propeller Water-Turbines ("Kaplan" type).

Turbo-blowers (Turboverdichter).

Blade-milling machine for axial blade
wheels.

Liquid clutches and gears.

Exhaust-steam turbines (similar to
"Bauer-Wach" type).

Experiments into Steam-turbine blade
patterns.

Experiments into the flow-dynamics of
rotors and guide-wheels.

A "Schnellschlussvorrichtung" for water-
turbines (independent of the regulator).

Exhaust-gas Turbo-blowers.

Suction-axial blowers ("Saugzugaxialgebläse"),
- similar to the "Schicht" type.

Very high-speed single-stage turbo compressors
with special housing.

Examination of the noise question of single
stage high-powered axial blowers.

(b) DM 300,000 is to be spent on research and development during 1951. This is part of the DM 250 million granted for research and development in the DDR as a whole.

110 COPY

SECRET CONTROL
U.S. OFFICIALS ONLY

Cont/.....

SECRET CONTROL
U.S. OFFICIALS ONLY

50X1-HUM

2. Turbinenfabrik DRESDEN.

(a) The Soviet Ministry of Forestry has ordered a further 600 mobile electro-generating stations in addition to the current order. 400 are to be assembled by Waggonbau 50X1-HUM WERDAU (VVB LOWA) and 200 by Waggonbau WEIMAR. The sub-contractors include EKM Turbinenfabrik DRESDEN, who will supply 400 TL.300. turbines, valued at DM (Ost) 624,000 and the WEIMARISCHE Maschinenfabrik, WEIMAR, who will supply 200 turbines of a similar type. La Mont Eckrohr boilers are to be installed.

(b) The target date for the completion and testing of the G-18-A gas turbine has been put back to 30th June, 1951, or six months after the arrival of the necessary runner wheels, whichever is the later.

(c) Eight heavy production machines have been purchased during 1950, and a further sixteen will be bought in 1951, at an estimated cost of DM 250,000. These include lathes from MEUSELWITZ and the Nileswerke, CHEMNITZ., automatic milling-machines, automatic tools and blade milling-machines. It had been planned to extend the plant's premises, but this has had to be postponed until 1953 owing to the demands of the new steel plant at FUERSTENBERG (Hüttenkombinat Ost) for building materials.

(d) The raw material situation has improved recently with the regular arrival of blade material from Poldihütte.

(e) Originally, the Ministry of Planning demanded the output in 1951 of new turbines to a total power of 150,000 kw. in the DDR as a whole. Dr. KNOCH (fnu), the responsible official in the Ministry of Industry said that this was impossible, and the final estimates are as follows:

GÖRLITZ	37,000 kw.
DRESDEN	30,000 kw.
BERGMANN/BORSIG	10,000 kw.
		<hr/>
TOTAL	77,000 kw.

3. The total output of Turbinenfabrik DRESDEN during 1949 and the first half of 1950 was allocated as follows (DM (Ost) thousands):

(a) <u>German Consumers.</u>	<u>1949.</u>	<u>1st Half</u> <u>1950.</u>
Power-Stations	267	4
Railways and Transport	237	69
Machine-construction		
industry	20	10
Foodstuffs industry	118	3
Textile industry	20	4
Paper industry	4	1
Mining and Petroleum	55	12
Harbours	23	48

/Cont.

SECRET CONTROL
U.S. OFFICIALS ONLY

SECRET CONTROL
U.S. OFFICIALS ONLY

(a) Cont.

<u>German Consumers.</u>	<u>1949.</u>	<u>1st Half</u> <u>1950.</u>
Local Utilities (KWU)	10	1
Chemical Industry	101	3
Miscellaneous	27	68
	<hr/>	<hr/>
	882 (56%)	223 (34%)
	<hr/>	<hr/>

(b) Soviet Consumers.

Indirect Reparations	547	330
Red Fleet	48	14
Remainder	86	81
	<hr/>	<hr/>
	682 (44%)	425 (66%)

(c) <u>Total</u>	1,564 (100%)	648 (100%)
	<hr/>	<hr/>

SECRET CONTROL
U.S. OFFICIALS ONLY

Page Denied

Next 16 Page(s) In Document Denied

BEST COPY
Available

Page Denied

Next 16 Page(s) In Document Denied